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A TRIBUTE TO SAMUEL WALKER SHATTUCK.

Professor Shattuck was administrative head of the department of mathematics in the University of Illinois for nearly forty years (1868-1906), having come to the University as the first and the only instructor in mathematics when the entire faculty of the institution consisted of but eleven members. He lived to see the time when the faculty of his department was twice as large as the entire faculty of the University had been when he entered it. The remarkable growth of the University during the years that he was actively connected with it was largely due to his devotion and integrity, for he was not only in charge of the mathematical department during the greater part of this period but also very influential in directing the finances of the institution, acting as business agent and manager during the years 1873-1905, and as comptroller from 1905 to 1912 when he retired on a Carnegie pension on account of failing health.

Notwithstanding the fact that his university duties were unusually heavy and that he performed unselfishly the many other services to society which his prominence in the community made possible, he found time to write a mimeographed work on calculus, consisting of two volumes and giving evidences of much thought. He was regarded as a good teacher both in the classroom and outside of it, for his training as a soldier gave him a dignified bearing which led the former President Draper to remark that "if he did nothing else it would be worth while to the state of Illinois to pay him his salary just to have him on the campus as a visible example to young men."

The great and faithful services which Professor Shattuck rendered the University of Illinois during a long period of years helped to endear him to all interested in its welfare, but his pleasing personality combined with a readiness to be helpful in every good work and to stand for justice and the strictest impartiality added very much to this endearment.

During the last few years of his life he witnessed numerous evidences of appreciation on the part of the alumni and the faculty, and since his death on February 13, 1915, two appreciative biographical sketches, relating to his services, written by Professor S. A. Forbes and Dean T. A. Clark respectively, have appeared in the *Alumni Quarterly* of the University of Illinois.

Professor Shattuck was an army officer during the Civil War, and belonged to a family of soldiers, his father, grandfather, and great-grandfather having all been officers in the colonial or national armies. He was born at Groton, Massachusetts, on February 18, 1841, and came to the University of Illinois from Norwich University, Vermont, where he had been professor of mathematics and military tactics. Although he entered the faculty of the University of Illinois less than half a century ago it is interesting to note that he was appointed assistant professor of mathematics, instructor in military tactics, and first commander of the University corps of cadets. These appointments indicate that the professor in the University of Illinois in those days did not enjoy sufficient leisure to become the scholar which the more recent opportunities have made

possible. The varied duties of these early professors tended, however, to bring the students and the faculty into more frequent contact and thus they enabled the unusually strong members of the faculty to leave a more lasting impression on the minds and the hearts of their students than is possible under the more modern conditions.

In his method of teaching, Professor Shattuck exhibited his usual willingness to be helpful to all who were likely to profit by such help, but he expected the student to do his part first. That is, he was willing to help all those who had made reasonable efforts to follow the explanations of the textbook and who had met with difficulties, but he did not, as a rule, lecture to his classes on the general bearing of the subject under consideration. His examination questions were usually rather difficult but he was not very severe in grading the answers. His students knew that they were dealing with a man who expected them to do serious work and who was likely to make few concessions for irregularities.

While his many other duties prevented Professor Shattuck from taking an active part in the development of mathematics, he frequently exhibited a keen interest in these developments. In particular, he was one of the first to join the American Mathematical Society and he continued this membership to the end of his life. As evidence of his deep interest in teaching we may cite the fact that when the President of the University suggested to him that he might devote himself entirely to the financial interests of the University the President received the reply: "When I give up teaching I shall give up the University."

In brief, Professor Shattuck devoted himself without ostentation but with complete devotion to what appeared to him to be the most important work of the time. When, as a young man, his country seemed to need his services in the defense of a great principle he enlisted twice in the United States Army and bore bravely the hardships of the battlefield and the serious wound received while at the front. When he came to the University of Illinois and found that a few men had to shoulder a large number of important outside duties he assumed his full share and performed all his work punctually and with great care. As a member of the church, as a citizen, and as the head of a family he led an exemplary life, and thus extended his teaching beyond his classroom. In particular, his careful management of the finances of the University inspired widespread confidence and this confidence has been one of the greatest assets in winning for the institution the loyal support which has in recent years been given to it by the state.

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